

Baoli

KBE 18-20Li



Baoli

1.1	Manufacturer		KION BAOLI
1.2	Manufacturer's type designation		KBE 18Li G1
1.3	Drive: electric, diesel, petrol, fuel gas		Electric
1.4	Operator type: hand, pedestrian, standing, seated, order-picker		Seated
1.5	Rated capacity / Rated load	Q (t)	1.8
1.6	Load centre distance	c (mm)	500
1.8	Load distance, centre of drive axle to fork	x (mm)	425
1.9	Wheelbase	y (mm)	1405
2.1	Service weight	Kg	3293
2.2	Axle loading, laden front/rear	Kg	4429/653
2.3	Axle loading, unladen front/rear	Kg	1447/1846
3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		S/E
3.2	Tyre size, front		6,50-10
3.3	Tyre size, rear		5,00-8/3,50
3.5	Wheels, number front/rear (x = driven wheels)		2x/2
3.6	Tread, front	b10 (mm)	930
3.7	Tread, rear	b11 (mm)	900
4.1	Tilt of mast/fork carriage forward/backward	α/β (°)	6/10
4.2	Height, mast lowered	h1 (mm)	2062
4.3	Free lift	h2 (mm)	150
4.4	Lift	h3 (mm)	3000
4.5	Height, mast extended	h4 (mm)	4040
4.7	Height of overhead guard (cabin)	h6 (mm)	2150
4.8	Seat height/stand height	h7 (mm)	1166
4.12	Coupling height	h10 (mm)	639
4.19	Overall length	l1 (mm)	3354
4.20	Length to face of forks	l2 (mm)	2154
4.21	Overall width	b1/b2 (mm)	1120
4.22	Fork dimensions ISO 2331	s/e/l (mm)	40x80x1200
4.23	Fork carriage ISO 2328, class/type A, B		II A
4.24	Fork carriage width	b3 (mm)	1040
4.31	Ground clearance, laden, below mast	m1 (mm)	100
4.32	Ground clearance, centre of wheelbase	m2 (mm)	110
4.34.1	Aisle width for pallets 1000 x 1200 crossways	Ast (mm)	3495
4.34.2	Aisle width for pallets 800 x 1200 lengthways	Ast (mm)	3695
4.35	Turning radius	Wa (mm)	1870
4.36	Internal turning radius	b13 (mm)	536
5.1	Travel speed, laden/unladen	km/h	15/15
5.2	Lift speed, laden/unladen	m/s	0,350/0,470
5.3	Lowering speed, laden/unladen	m/s	0,440/0,470
5.8	Max gradeability, laden/unladen	%	18/20
5.10	Service brake		Mech/Hydr
6.1	Drive motor rating S2 60 min	kW	10.2
6.2	Lift motor rating at S3 15%	kW	11.5
6.4	Battery voltage/nominal capacity K5	V/Ah	76.8 /228
6.5	Battery weight	kg	210
6.6	Energy consumption according to VDI cycle	kWh/h	4.6
10.1	Operating pressure for attachments	bar	170
10.7	Sound pressure level at driver's seat	dB (A)	66

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Mast type	H3	Capacity - Load center 500 mm	Capacity - Load center 500 mm - with IntegSideshi ft	Capacity - Load center 500 mm - with Hang on Sideshift	H1	H4 with load backrest	H4 without load backrest	H2 with load backrest	H2 without load backrest	Tilting angle Front/back
VM Tele	3000	1800	1800	1600	2068	4040	3651	150	150	6/7
	3300	1800	1800	1600	2218	4340	3951	150	150	6/7
	3500	1800	1800	1600	2318	4540	4151	150	150	6/7
	4000	1800	1760	1570	2568	5040	4651	150	150	6/7
	4500	1750	1390	1220	2818	5540	5151	150	150	6/7
	5000	1200	1050	900	3118	6040	5651	150	150	6/7
VFM 2 stage	3000	1800	1800	1600	2033	4040	3651	990	1254	6/7
	3300	1800	1800	1600	2183	4340	3951	1140	1404	6/7
	3500	1800	1800	1600	2283	4540	4151	1240	1504	6/7
	4000	1800	1760	1570	2533	5040	4651	1490	1754	6/7
VFHM triplex	4250	1680	1360	1160	2033	5290	4901	990	1348	6/7
	4550	1560	1180	980	2133	5590	5201	1090	1448	6/7
	4700	1500	1120	930	2183	5740	5351	1140	1498	6/7
	4850	1440	1060	880	2233	5890	5501	1190	1548	6/7
	5000	1380	1010	820	2283	6040	5651	1240	1598	6/7
	5500	1180	810	640	2533	6540	6151	1490	1848	6/7
	6000	980	620	500	2783	7040	6651	1740	2098	6/7
	6500	800	450	300	3033	7540	7151	1990	2385	6/7

KBE 18-20Li



The KBE 18Li and KBE 20Li, with a load capacity of 1,8 to 2,0 tons and a maximum lifting height of 6,5 meters, are ideal for logistics and industries, especially in indoor spaces, thanks to their zero emissions and low noise levels. These trucks excel in light to medium-duty operations, featuring a compact design for easy handling in narrow spaces.

KBE 18Li and KBE 20Li models feature lithium-ion batteries, offering numerous advantages; they allow short interim charges, ensuring increased truck availability, are virtually maintenance-free, and eliminate the risk of hazardous gases during charging.

AC technology motors ensure maintenance-free operation. Thanks to more powerful motors, the KBE 18-20Li achieves higher travel speeds and easily overcomes steeper ramps.

Additionally, the KBE 18-20Li offers a remarkable improvement in energy consumption compared to previous models, also showcasing a commitment to sustainability.

The trucks are equipped with wet brakes, offering the main advantage of significantly lower maintenance requirements compared to trucks with drum brakes.

The cabin has been designed with a focus on safety and comfort. A metal grid step and a large handle ensure safe entry and exit from the driver's compartment. The operator benefits from two storage compartments, along with two USB ports for charging small electronic devices.

The electronic forward/reverse switch allows for fast and easy changes in driving direction, enhancing maneuverability. The rear handhold with an integrated horn ensures safe reversing, prioritizing a secure working environment.

The trucks come standard with a foot-activated parking brake; in comparison to the traditional hand parking brake, the foot-activated design requires less effort to engage and disengage and ensures easier access and exit from the driver's compartment. A color display, providing all the key information at a glance, allows for easy and quick control over the truck's status.

Technology

- ✓ Compact dimensions for maneuvering in narrow spaces.
- ✓ Lithium-ion battery for increased truck availability.
- ✓ Maintenance-free battery.
- ✓ No hazardous gases emitted during charging.
- ✓ AC technology motors for maintenance-free operation.
- ✓ Powerful motors for enhanced performance.
- ✓ Lower energy consumption.
- ✓ Wet brakes ensuring low maintenance costs.



Ergonomics and driver's workplace

- ✓ Metal grid step and large handle for safe entry and exit from the driver's compartment.
- ✓ Electronic forward/reverse switch for fast and easy changes in driving direction.
- ✓ Rear handhold with horn for safe reversing.
- ✓ Foot-activated parking brake: less effort for engagement/disengagement, easier access to the driver's compartment.
- ✓ Color display for quick access to key truck information, ensuring easy control.

